Table 2
Cost Estimate: Professional Services — LGA Grant Proposal for GSFLOW Numerical Flow Model for Solano Area

Task Description		LSCE Principal Hydrol.	LSCE Sr. Hydrogeol.	LSCE Project Hydrogeol.	LSCE Staff Hydrogeol.	LSCE Data Technician	LSCE Clerical Support Various	Subtask Labor Hrs	Labor Cost	Materials Cost	Subtask Cost	Task Cost
	Billing Rate ($/hr)	$190	$160	$150	$110	$92	$60					
Task 1.1	Model Development - GSFLOW/PRMS input files	8	24	222	192				$59,780.00		$59,780.00	
Task 1.2	Model Development - MODFLOW-2005 input files	5	24	143	80				$35,040.00		$35,040.00	
Task 1.3	Model Calibration - match observed heads	4		40	16				$8,520.00		$8,520.00	
Task 1 Total	**GSFLOW Model Development and Calibration**											**$103,340.00**
Task 2.1	Meeting/Coordination with SCWA Member Entities to Develop Scenarios	16	24	32	24				$14,320.00		$14,320.00	
Task 2.2	Run Conjunctive Use Scenarios	16	16	40	12				$12,920.00		$12,920.00	
Task 2 Total	**Conjunctive Use Simulations**											**$27,240.00**
Task 3.1	Pumpage Simulations Deep Basal Zone of Tehama Formation	16	16	40	16				$13,360.00		$13,360.00	
Task 3 Total	**Pumpage Distribution Simulations**											**$13,360.00**
Task 4.1	Evaluation of Simulation Results Related to Recharge Mechanisms	16	16	30	24				$12,740.00		$12,740.00	
Task 4.2	Prepare Map of Recharge Areas to Different Units of Aquifer System	16	16	24	16				$10,960.00		$10,960.00	
Task 4 Total	**Recharge and Interconnectivity to Lower Freshwater Aquifer Zones Used for Supply**											**$23,700.00**
Task 5.1	Evaluate Simulation Results Related to Potential for Subsidence	16	16	40	16				$13,360.00		$13,360.00	
Task 5 Total	**Examine the Implications of Lowered Groundwater Levels and Potential Subsidence**											**$13,360.00**
Task 6 Total	Determine the groundwater budget for the complex aquifer system such as exists in the greater Solano area	16	8	20					$7,320.00		$7,320.00	**$7,320.00**
Task 7.1	DRAFT: Documentation (physical conceptualization including recharge analysis, subsidence, aquifer tests, digitized geologic model)	60	60	80	80	40	20		$46,680.00	$50.00	$46,730.00	
Task 7.2	FINAL: Documentation (physical conceptualization including recharge analysis, subsidence, aquifer tests, digitized geologic model)	20		20	20	20	10		$11,440.00	$50.00	$11,490.00	
Task 7 Total	**Documentatino and Reporting**											**$58,220.00**
Task 8 Total	**Quarterly Progress Reports (6 total)**	16							$3,040.00		$3,040.00	**$3,040.00**
Grand Total												**$249,580.00**